

ABSTRACT OF THE DISCLOSURE

Provided is a superconducting cable having a structure such that cable cores, each having a superconducting layer, are housed in a thermal insulation pipe and the superconducting layer of each cable core has portions having
5 different critical current values. When an excessive current flows in the superconducting layer in case of a short-circuit failure, the current exceeds the critical current value of the portion having a smaller critical current value first, which results in damage to the portion, suppressing the occurrence of damage
10 to the other normal portion. A superconducting cable line using this superconducting cable and a splitter for accommodating the cable cores therein is also provided.